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## Strategic Client Planning System Three-Tier Architecture

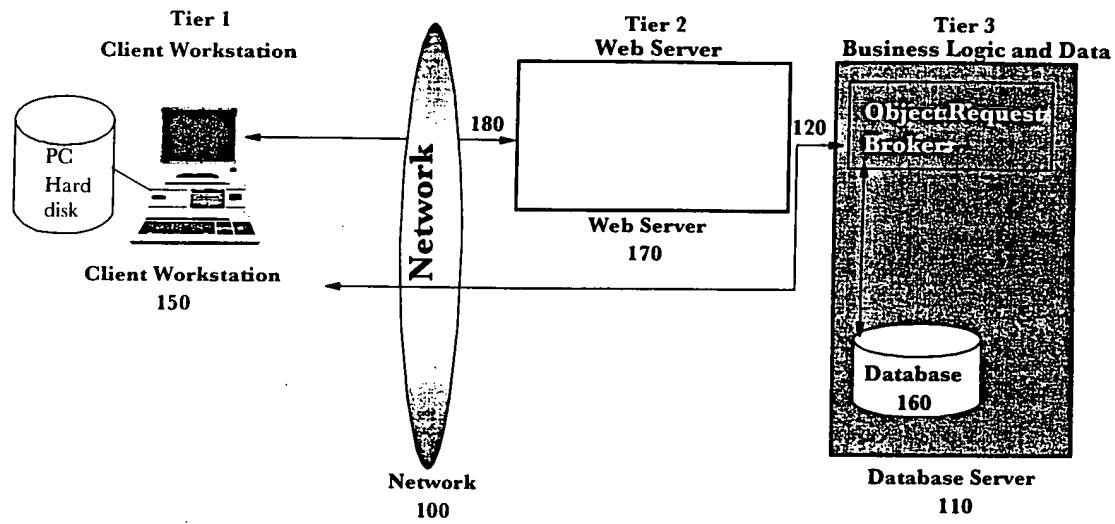


Fig. 1

## Strategic Client Planning System Three-Tier Architecture

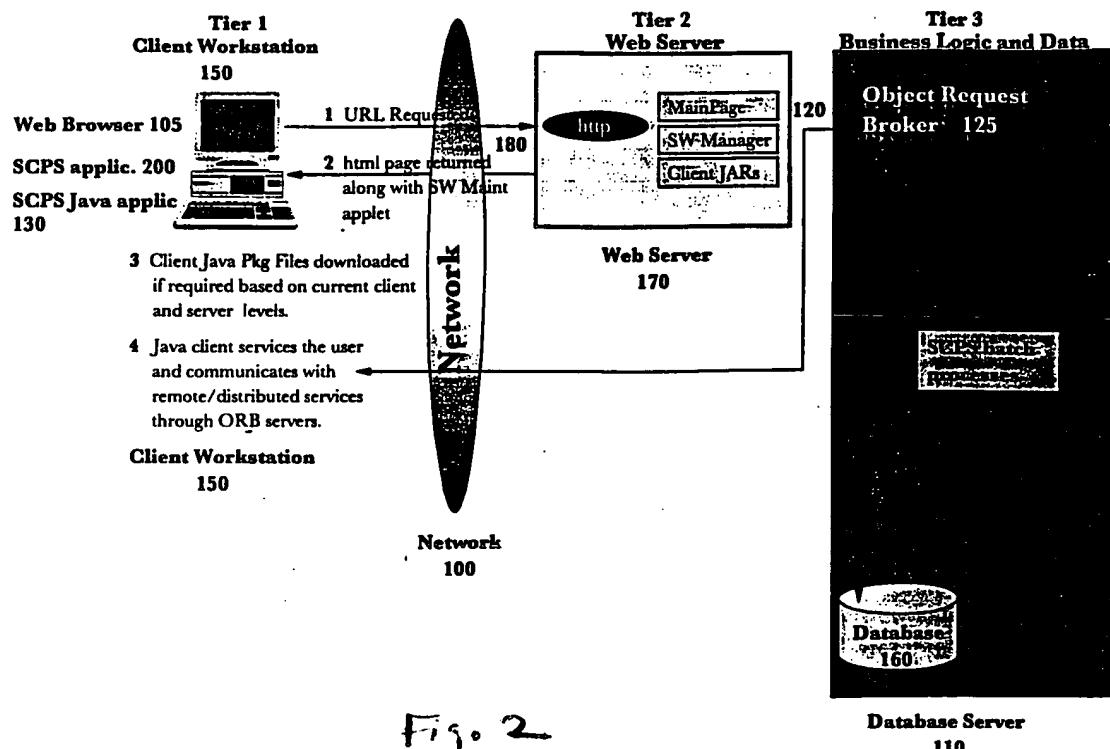


Fig. 2

300

315

ISLPS Worksheet Definition - LGBALA ON WISDVLT (ETISN57) - New Worksheet Definition

File Help Read Only

Save Save As Print Run Exit Help Topics

Datasource: WISDVLT Name: MYSAMPLE Description: Sample Updatable Worksheet

Primary Comparison Relationships Columns Groups Sort Totals Constraints SQL Preferences

Type: All Schema: WISARD

Table Type	Table Description	Table Name
Table	SHIPCOM 199811	SHIPCOM_PREV
Table	SHIPREQ	SHIPREQ
Table	SHIPREQ_PRELIM	SHIPREQ_PRELIM
Table	SHIPREQ 199811	SHIPREQ_PREV
Table	SHIPREQB	SHIPREQB
Table	SHIPREQB 199811	SHIPREQB_PREV
Table	SITE_ADMIN	SITE_ADMIN
Table	SUBGEOG	SUBGEOG
Table	Supporting Data	SUPPORTING_DATA

Deselect

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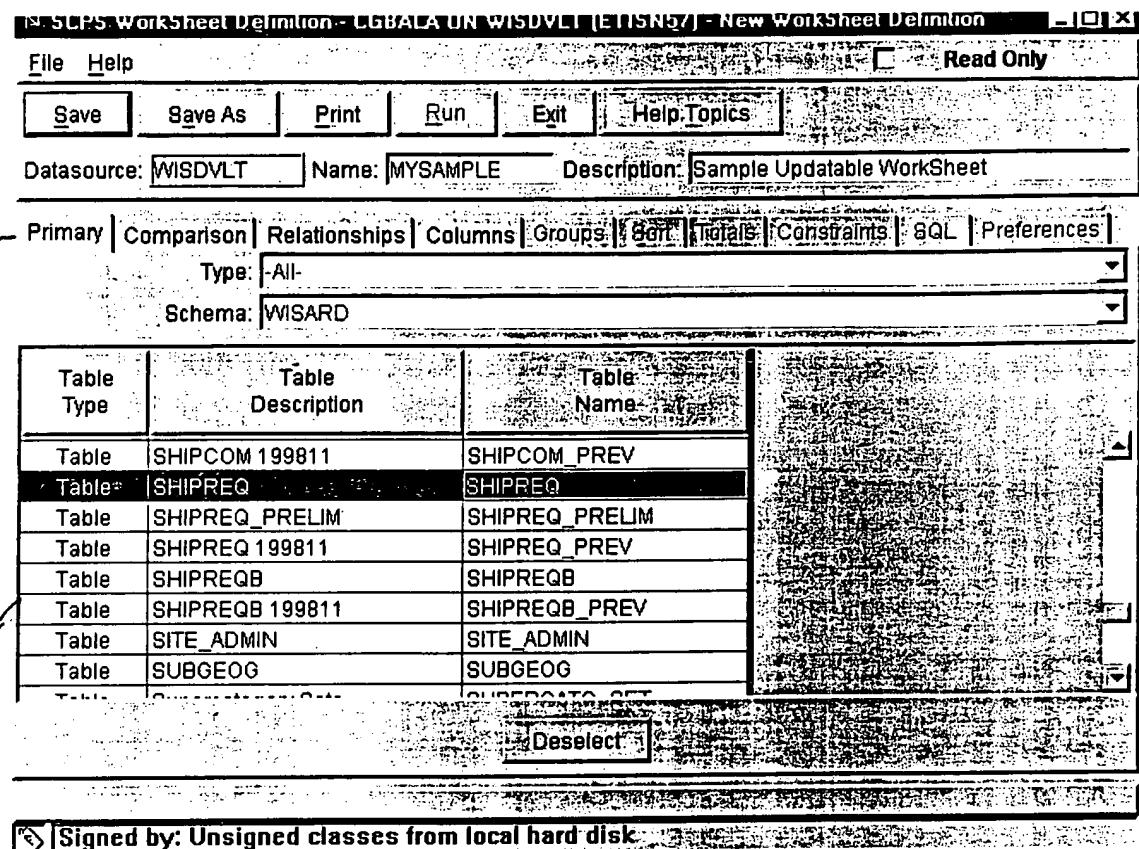


Fig. 3 A

310

**N:SCPS WorkSheet Definition:- CGBALA ON WISDVLT (ETISN57) - New WorkSheet Definition**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																													
File	Help	<input type="checkbox"/> Read Only																																													
<input type="button" value="Save"/>	<input type="button" value="Save As"/>	<input type="button" value="Print"/>	<input type="button" value="Run"/>	<input type="button" value="Exit"/>	<input type="button" value="Help Topics"/>																																										
Datasource: WISDVLT		Name: MYSAMPLE		Description: Sample Updatable WorkSheet																																											
<input type="checkbox"/> Primary   <input type="checkbox"/> Comparison   <input type="checkbox"/> Relationships   <input type="checkbox"/> Columns   <input type="checkbox"/> Groups   <input type="checkbox"/> Sort   <input type="checkbox"/> Totals   <input type="checkbox"/> Constraints   <input type="checkbox"/> SQL   <input type="checkbox"/> Preferences   <input type="checkbox"/> Relationships For: WISARD.SHIPREQ																																															
<table border="1"> <thead> <tr> <th>Table Description</th> <th>Outer Join</th> <th>Extended Relationship</th> <th>Relationship Name</th> <th>Table Schema</th> <th>Table Name</th> </tr> </thead> <tbody> <tr> <td>User Security Control</td> <td></td> <td></td> <td>CONUSRID</td> <td>EPPS</td> <td>USER_SECUR</td> </tr> <tr> <td>CHANNEL</td> <td></td> <td></td> <td>CONCHAN</td> <td>WISARD</td> <td>CHANNEL</td> </tr> <tr> <td>ITEM_GEO_MASTER</td> <td></td> <td></td> <td>CONIGM</td> <td>WISARD</td> <td>ITEM_GEO_MASTER</td> </tr> <tr> <td>ITEM_MASTER</td> <td></td> <td></td> <td>R0001</td> <td>WISARD</td> <td>ITEM_MASTER</td> </tr> <tr> <td>EXT_PROJ_NAME_WORK</td> <td></td> <td></td> <td>R0171</td> <td>WISARDV</td> <td>EXT_PROJ_NAME_WORK</td> </tr> <tr> <td>PLANNING_ITEM_WORK</td> <td></td> <td></td> <td>R0170</td> <td>WISARDV</td> <td>PLANNING_ITEM_WORK</td> </tr> </tbody> </table>						Table Description	Outer Join	Extended Relationship	Relationship Name	Table Schema	Table Name	User Security Control			CONUSRID	EPPS	USER_SECUR	CHANNEL			CONCHAN	WISARD	CHANNEL	ITEM_GEO_MASTER			CONIGM	WISARD	ITEM_GEO_MASTER	ITEM_MASTER			R0001	WISARD	ITEM_MASTER	EXT_PROJ_NAME_WORK			R0171	WISARDV	EXT_PROJ_NAME_WORK	PLANNING_ITEM_WORK			R0170	WISARDV	PLANNING_ITEM_WORK
Table Description	Outer Join	Extended Relationship	Relationship Name	Table Schema	Table Name																																										
User Security Control			CONUSRID	EPPS	USER_SECUR																																										
CHANNEL			CONCHAN	WISARD	CHANNEL																																										
ITEM_GEO_MASTER			CONIGM	WISARD	ITEM_GEO_MASTER																																										
ITEM_MASTER			R0001	WISARD	ITEM_MASTER																																										
EXT_PROJ_NAME_WORK			R0171	WISARDV	EXT_PROJ_NAME_WORK																																										
PLANNING_ITEM_WORK			R0170	WISARDV	PLANNING_ITEM_WORK																																										
<input type="checkbox"/> Enable Outer Join																																															
<input type="checkbox"/> <input type="checkbox"/> Select All <input type="checkbox"/> Deselect All																																															
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32

Fig. 3B

320 322

N: SCPS WorkSheet Definition: CGBALA ON WISDVLT (ETISN57) - New WorkSheet Definition  Read Only

File Help  Read Only

Save Save As Print Run Exit Help Topics

Datasource: WISDVLT Name: MYSAMPLE Description: Sample Updatable WorkSheet

Primary Comparison Relationships Columns Groups Sort Totals Constraints SQL Preferences

Select Columns: Deselect Columns:

Primary Table All Columns Select Primary Table All Columns Deselect

Order	Key	Column Description	Column Name	Short Description
1	Y	PLANNING_ITEM	PLANNING_ITEM	PLANNING_ITEM
2	N	MFG_LOC	MFG_LOC	MFG_LOC
3	Y	GEOGRAPHY	GEOGRAPHY	GEOGRAPHY
4	Y	SUB_GEOGRAPHY	SUB_GEOGRAPHY	SUB_GEOGRAPHY
5	Y	CHANNEL	CHANNEL	CHANNEL
6	Y	SUB_CHANNEL	SUB_CHANNEL	SUB_CHANNEL
7	N	FCST_ID	FCST_ID	FCST_ID
8	N	Jan 2001 - Y1M01	Y1M01	Jan_2001
9	N	Feb 2001 - Y1M02	Y1M02	Feb_2001
10	N	March 2001 - Y1M03	Y1M03	March_2001
11	N	Q1 2001 - SQL Computed Column	Y1Q01	Q1_2001

324

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Fig. 3C

330

SCPS Worksheet Definition - CGBALA ON WISDVLT (ETISN57) - New Worksheet Definition

File Help Read Only

Save Save As Print Run Exit Help Topics

Datasource: WISDVLT Name: MYSAMPLE Description: Sample Updatable Worksheet

Primary | Comparison | Relationships | Columns | Groups | Sort | Totals | Constraints | SQL | Preferences |

Select Sort Order Columns:

	Order	Key	Column Description	Column Name	Short Description
1	1	Y	PLANNING_ITEM	PLANNING_ITEM	PLANNING_ITEM
2		N	MFG_LOC	MFG_LOC	MFG_LOC
3	2	Y	GEOGRAPHY	GEOGRAPHY	GEOGRAPHY
4	3	Y	SUB_GEOGRAPHY	SUB_GEOGRAPHY	SUB_GEOGRAPHY
5	4	Y	CHANNEL	CHANNEL	CHANNEL
6	5	Y	SUB_CHANNEL	SUB_CHANNEL	SUB_CHANNEL
7		N	FCST_ID	FCST_ID	FCST_ID
8		N	Q1 2001 - SQL Computed Column	Y1Q01	Q1_2001
9		N	Jan 2001 - Y1M01	Y1M01	Jan_2001
10		N	Feb 2001 - Y1M02	Y1M02	Feb_2001
11		N	March 2001 - Y1M03	Y1M03	March_2001
12		N	DESCRIPTION	DESCRIPTION	DESCRIPTION

Select All Deselect All

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Fig. 3 D

340

**SCPS WorkSheet Definition - CGBALA ON WISDVLT (ET1SN57) - New WorkSheet Definition**

**Read Only**

**File Help**

**Save Save As Print Run Exit Help Topics**

**Datasource: WISDVLT Name: MYSAMPLE Description: Sample Updatable WorkSheet**

**Primary Comparison Relationships Columns Groups Sort Totals Constraints SQL Preferences**

**Row Grand Totals: Quantities In: Computed Columns:**

**Display Row Grand Totals**  **Unit**  **Dec**  **K**  **M**  **B**  **Sum**  **Average**

Display Order	Sub-Total	Sub-Total Column	Sort Order	Key	Column Description
1			1	Y	PLANNING_ITEM
2				N	MFG_LOC
3			2	Y	GEOGRAPHY
4			3	Y	SUB_GEOGRAPHY
5			4	Y	CHANNEL
6			5	Y	SUB CHANNEL

**Define/Edit:**

**Sub-Totals Calculated Columns SQL Computed Columns Sub-Total Columns**

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Fig. 3E

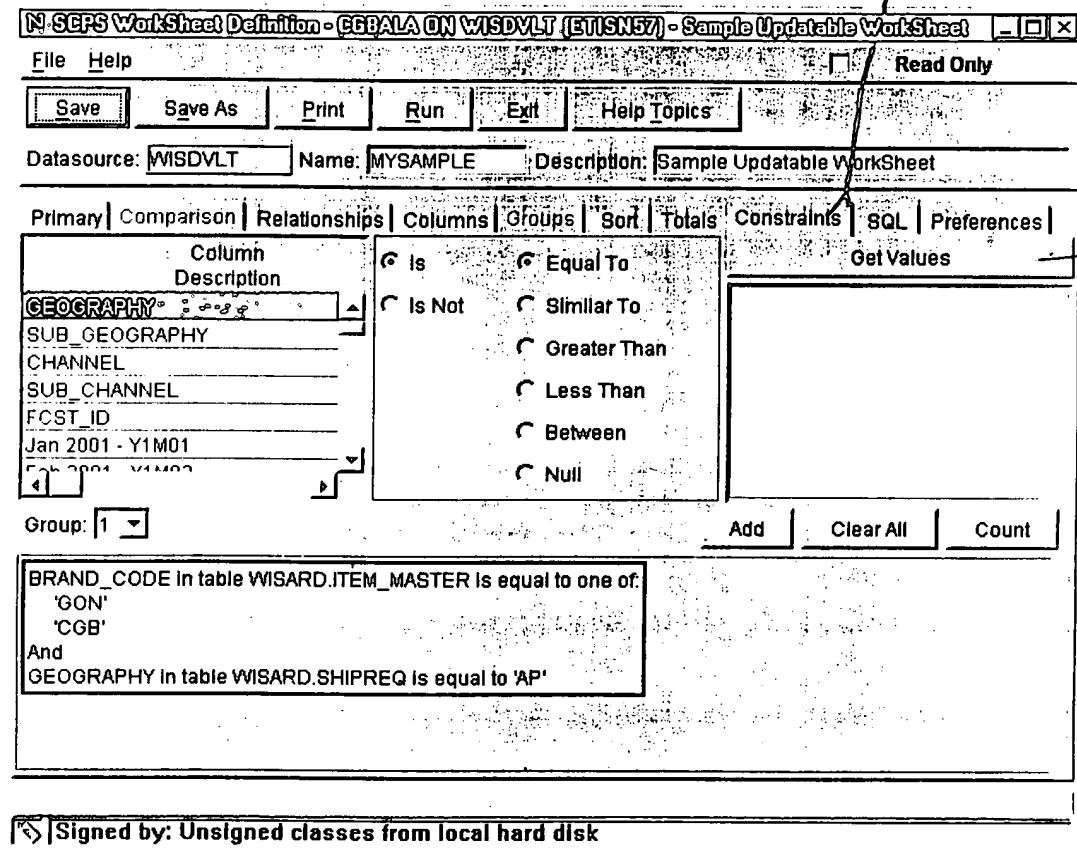


Fig. 3F

9/20

Bala et al.

DKN: FIS9-2000-0416

365

```
Primary | Comparison | Relationships | Columns | Groups | Sort | Totals | Constraints | BSQL | Preferences |
```

```
Select TO."PLANNING_ITEM", TO."MFG_LOC", TO."GEOGRAPHY", TO."SUB_GEOGRAPHY",  
TO."CHANNEL", TO."SUB_CHANNEL", TO."FCST_ID", (BIGINT(TO."Y1M01") + BIGINT(TO."Y1M02") +  
BIGINT(TO."Y1M03")) as "Y1Q01", TO."Y1M01", TO."Y1M02", TO."Y1M03", T2."DESCRIPTION" From  
("WISARD"."SHIPREQ" As TO INNER JOIN "WISARD"."ITEM_MASTER" As T2 ON T2."PLANNING_ITEM" =  
TO."PLANNING_ITEM") Where ((T2."BRAND_CODE" In ('GON', 'CGB') And TO."GEOGRAPHY" = 'AP'))  
Order By 1, 3, 4, 5, 6 For Fetch Only
```

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Fig. 36

310

**SCPS WorkSheet Definition - CGBALA ON WISDVLT - Sample Updatable WorkSheet**

**File Help** **Read Only**

**Save** **Save As** **Print** **Run** **Exit** **Help Topics**

Datasource: **WISDVLT** Name: **mysample** Description: **Sample Updatable WorkSheet**

**Primary** **Comparison** **Relationships** **Columns** **Groups** **Sort** **Totals** **Constraints** **SQL** **Preferences**

**Preferences:**

Header 1:

Header 2:

Footer: **Sample Planning Worksheet**

**Maximize Application Window at Startup**

**Execute Query at Startup**

**Show WorkSheet Definition at Startup**

**Display Row Number In the Row Label**

**Multi-Line Column Header**

**Display Column and Background Color**

**Auto-Size Columns**

**Save the Commit Rules**

**Show/Hide Columns:**

<b>Display Order</b>	<b>Show Column</b>	<b>Column Description</b>
1	<input checked="" type="checkbox"/>	PLANNING_ITEM
2	<input checked="" type="checkbox"/>	MFG_LOC
3	<input checked="" type="checkbox"/>	GEOGRAPHY
4	<input type="checkbox"/>	SUB_GEOGRAPHY
5	<input type="checkbox"/>	CHANNEL
6	<input type="checkbox"/>	SUB_CHANNEL
7	<input checked="" type="checkbox"/>	FCST_ID
8	<input checked="" type="checkbox"/>	Q1 2001 - SQL Compu
9	<input checked="" type="checkbox"/>	Jan 2001 - Y1M01
10	<input checked="" type="checkbox"/>	Feb 2001 - Y1M02
11	<input checked="" type="checkbox"/>	March 2001 - Y1M03
12	<input checked="" type="checkbox"/>	DESCRIPTION

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Fig. 3H

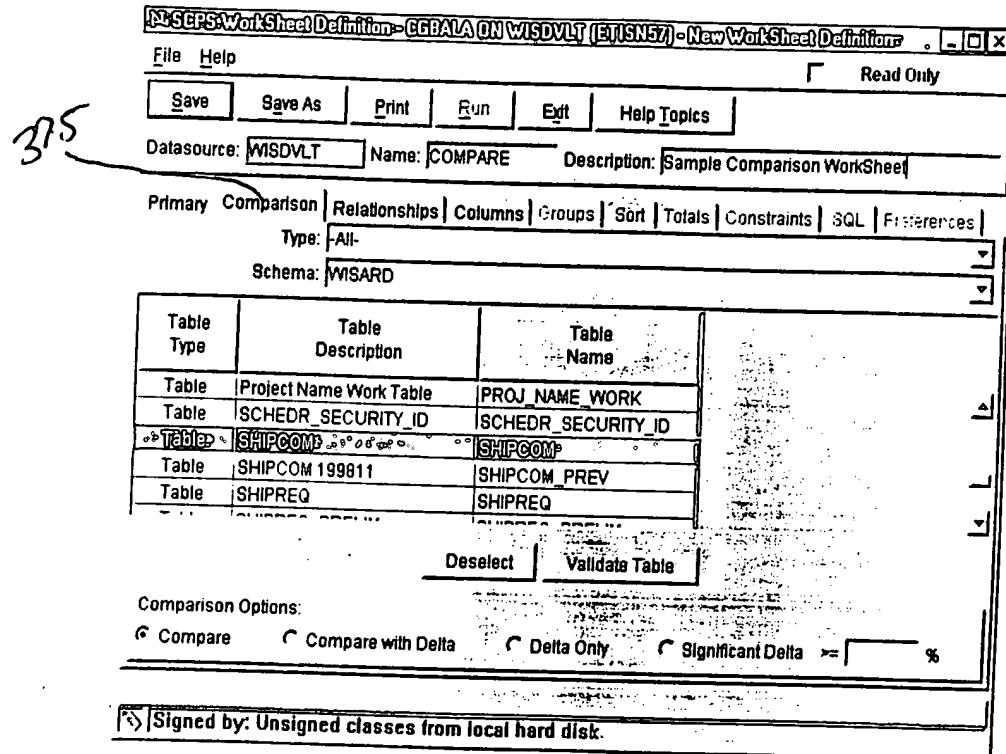


Fig. 31

13P

SCPS WorkSheet Definition - CGBALA ON WISDVLT (ETISN57) - New WorkSheet Definition

File Help  Read Only

Save Save As Print Run Exit Help Topics

Datasource: WISDVLT Name: MYSAMPLE Description: Sample WorkSheet

Primary Comparison Relationships Columns Groups Sort Totals Constraints SQL Preferences

When Groups are Defined the Resulting WorkSheet Grid will be Read Only.

	Order	Key	Column Description	Column Name	Short Description
1	1	Y	PLANNING_ITEM	PLANNING_ITEM	PLANNING_ITEM
2	2	N	MFG_LOC	MFG_LOC	MFG_LOC
3	3	Y	GEOGRAPHY	GEOGRAPHY	GEOGRAPHY
4	4	Y	SUB_GEOGRAPHY	SUB_GEOGRAPHY	SUB_GEOGRAPHY
5	5	Y	CHANNEL	CHANNEL	CHANNEL
6	6	Y	SUB_CHANNEL	SUB_CHANNEL	SUB_CHANNEL
7		N	FCST_ID	FCST_ID	FCST_ID
8		N	Jan 2001 V1M01	V1M01	Jan 2001

Select All Deselect All

Define/Edit Grouping Order  Define/Edit Column Functions  Show Selections

Sum

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Fig. 3J

425 435 400

N:SCPS WorkSheet Edit Grid - CCBALA ON WISDVLT (BT SN57) - Sample Updatable WorkSheet										
<input type="checkbox"/> Read Only										
File		Edit		WorkSheet		ToolBar		Help		
Save Changes		Reload		Print		Import		Export		Exit
Datasource: WISDVLT			Name: MYSAMPLE			Description: Sample Updatable WorkSheet				
Row		PLANNING ITEM	MFG LOC	GEO...	FCST ID	Q1 2001	JAN 2001	FEB 2001	MAR 2001	DESCRIPTION
1		0000001	RA	AP	200104	2600	400	700	1500	SAMPLE POWER UNIT
2		0000001	RA	AP	200104	400	0	100	300	SAMPLE POWER UNIT
3		0000001	RA	AP	200104	0	0	0	0	SAMPLE POWER UNIT
4		0000001	RA	AP	200104	3700	1000	1200	1500	SAMPLE POWER UNIT
5		0000001	RA	AP	200104	0	0	0	0	SAMPLE POWER UNIT
6		0000002	RA	AP	200106	53000	17000	20000	16000	BASIC PART A
7		0000002	RA	AP	200106	0	0	0	0	BASIC PART A
8		0000002	RA	AP	200106	12600	4300	4100	4200	BASIC PART A
9		0000002	RA	AP	200106	0	0	0	0	BASIC PART A
10		0000002	RA	AP	200106	770	170	210	390	BASIC PART A
11		0000003	RA	AP	200106	240000	80000	80000	80000	SAMPLE MEMORY UPGRADE
12		0000003	RA	AP	200106	172000	80000	12000	80000	SAMPLE MEMORY UPGRADE
13		0000003	RA	AP	200106	210000	80000	80000	50000	SAMPLE MEMORY UPGRADE
14		0000003	RA	AP	200106	240000	80000	80000	80000	SAMPLE MEMORY UPGRADE
15		0000003	RA	AP	200106	250000	80000	90000	80000	SAMPLE MEMORY UPGRADE
1833										

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Fig. 4

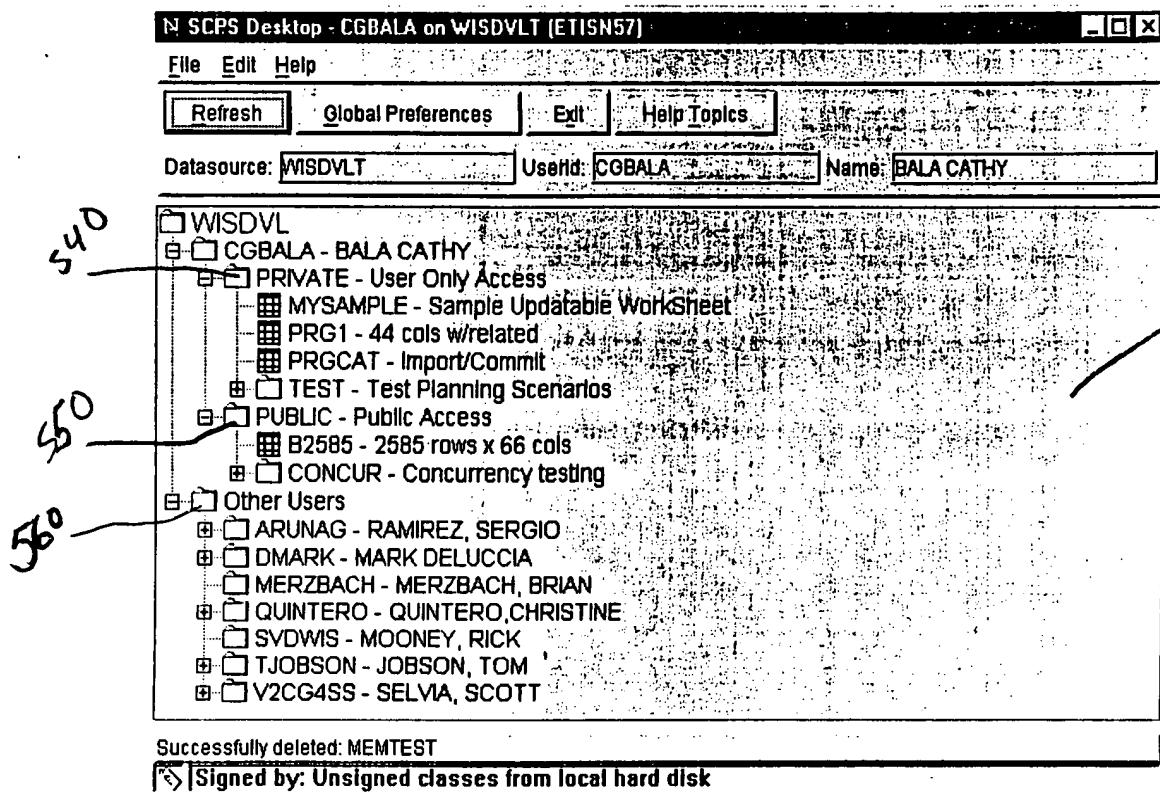


Fig. 5

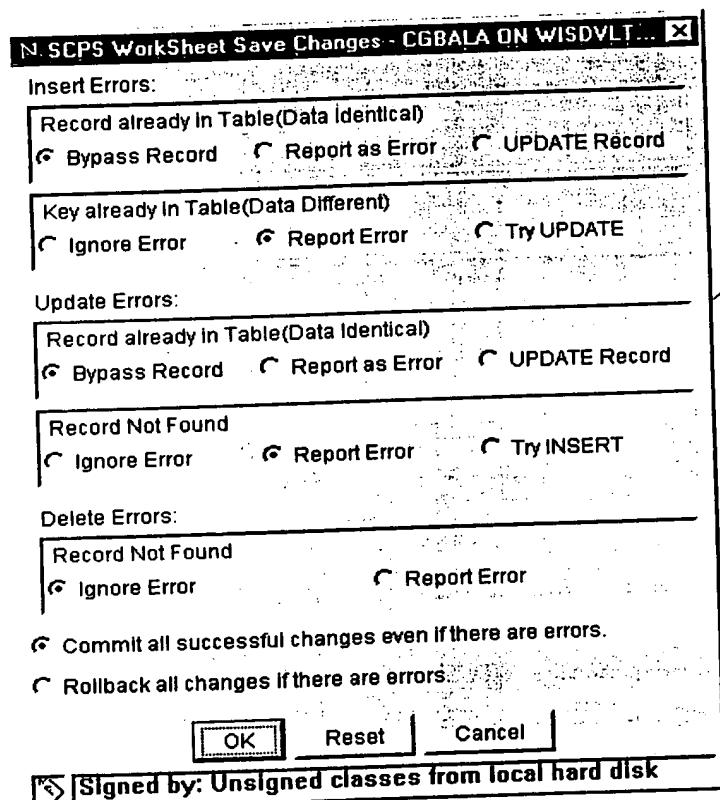


Fig. 6A

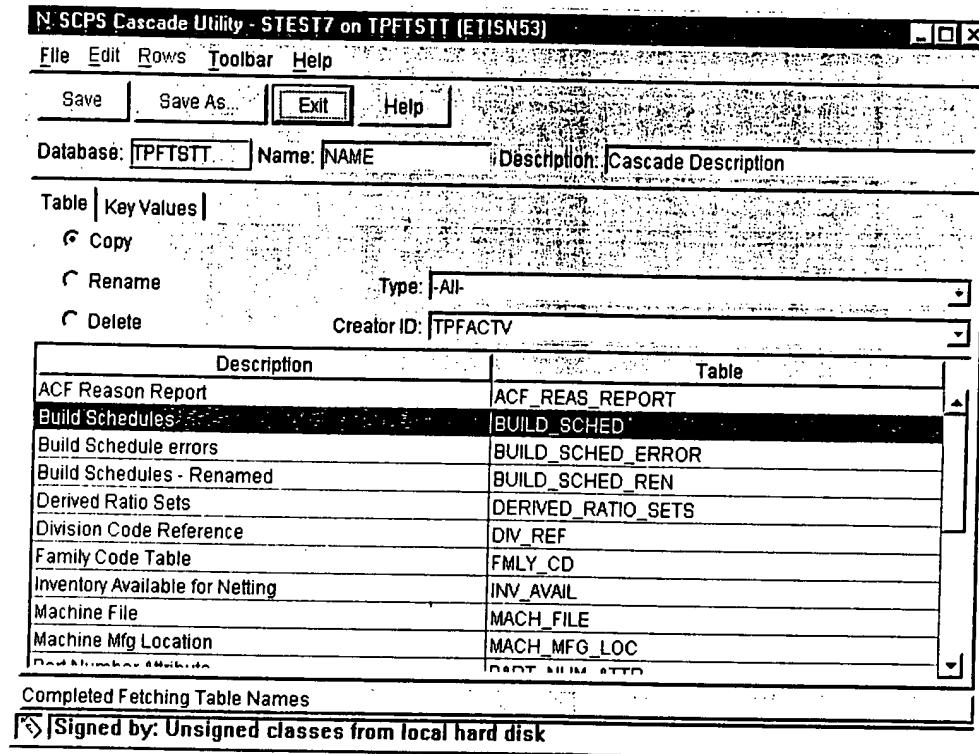


Fig. 6.8

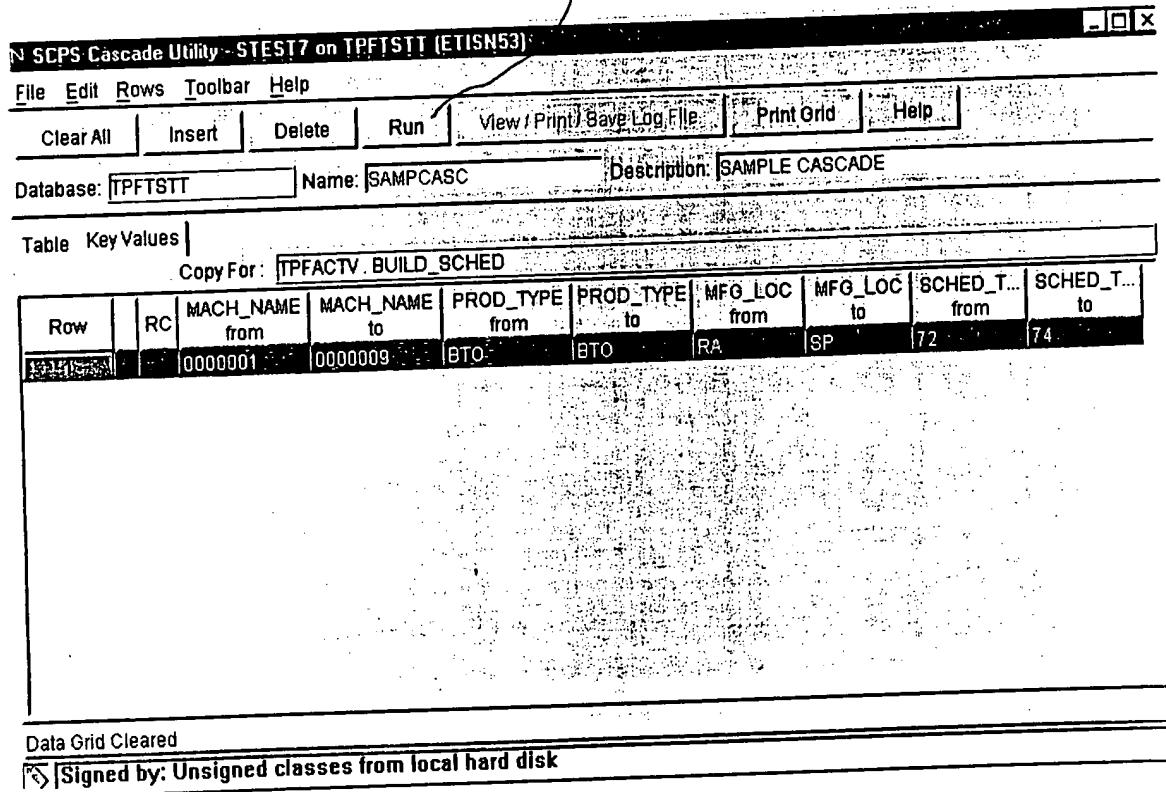


Fig. 6C

## SCPS Connection Manager

00000000000000000000000000000000

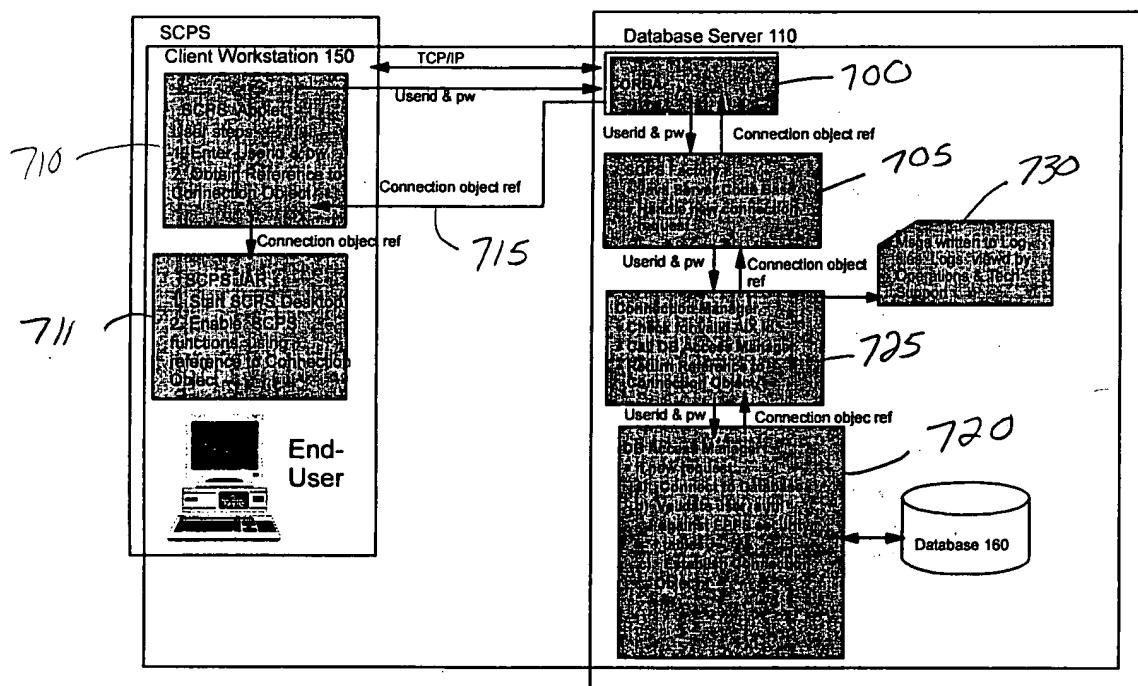


Fig. 7A

# SCPS Database Manager

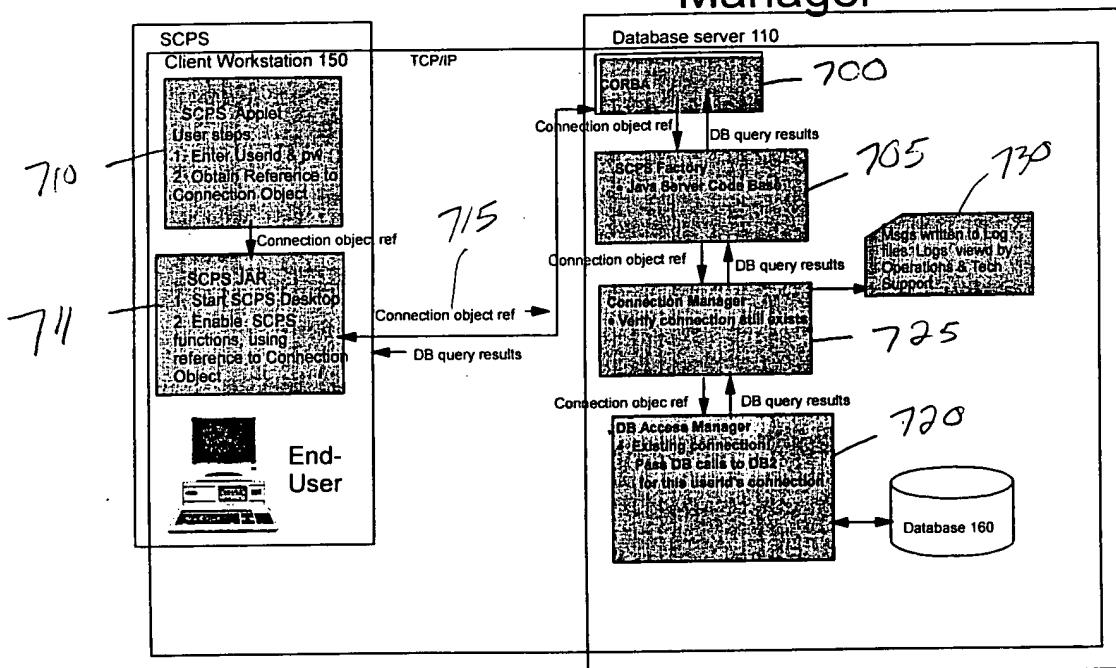


Fig. 7B

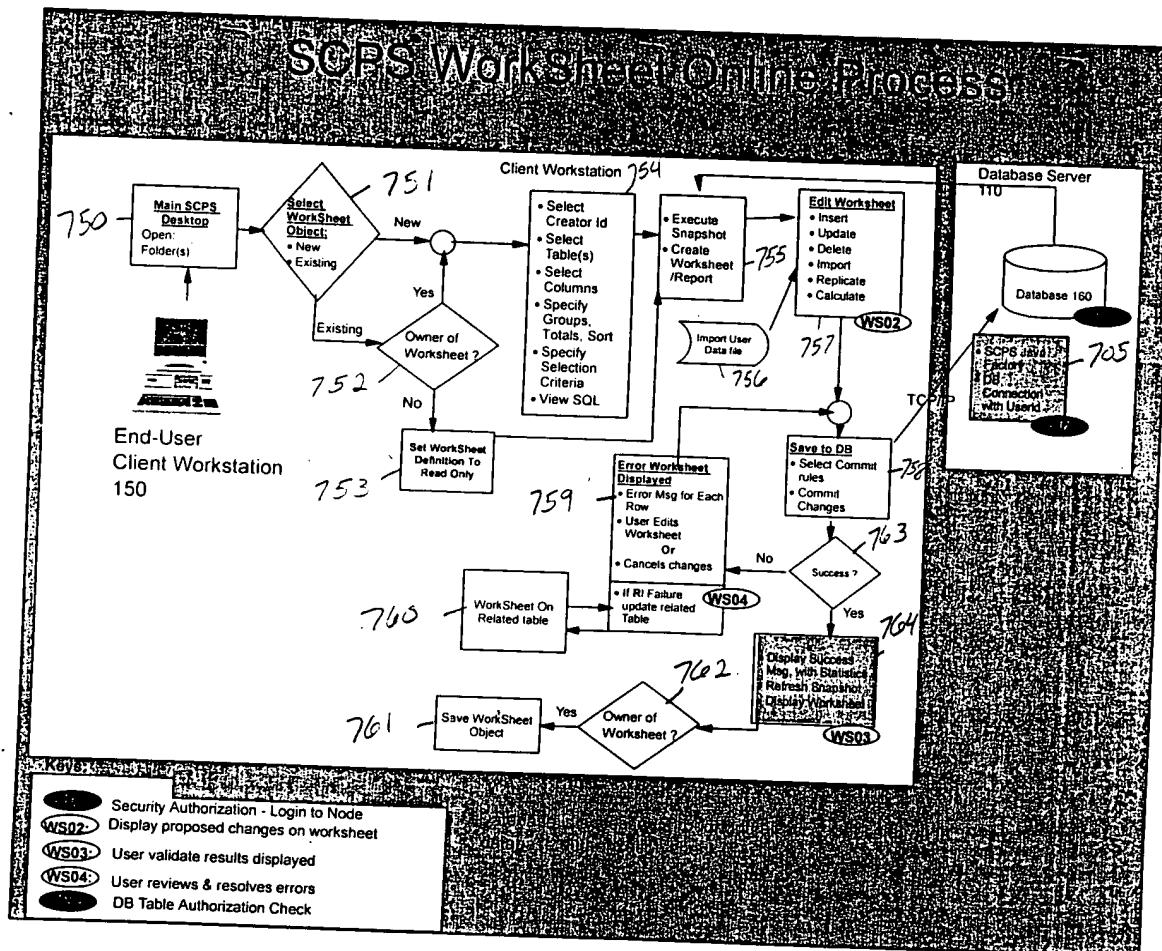


Fig. 7C